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[54] INCOMING CALL CONTROL BASED ON THE MOVING SPEED OF A RADIO COMMUNICATIONS APPARATUS

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[56] References Cited

U.S. PATENT DOCUMENTS

5,140,695 8/1992 Yasuda et al. 455/441

5,396,645	3/1995	Huff	455/441
5,548,806	8/1996	Yamaguchi et al.	455/441
5,787,348	7/1998	Willey et al.	455/441
5,913,168	6/1999	Moreau et al.	455/441

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[57] ABSTRACT

In a radio communications apparatus according to the present invention, an RSSI detects the strength of a received signal, and a fading pitch detection circuit detects a fading pitch of the signal from the detected strength thereof and determines whether the moving speed of the terminal apparatus exceeds a predetermined value. A high-speed moving time incoming call control means determines whether the apparatus is moving at high speed based on the determination results of the fading pitch detection circuit. If it is doing so, the control means automatically responds to the incoming call, transmits a response message from a response message storage area to a communication party, and stores a message input by the communication party in a message storage area.

44 Claims, 3 Drawing Sheets

